CREATING RELIABLE PARTNERSHIPS FOR SOCIAL HOUSING.

ideal

WWW.IDEALBOILERS.COM

WELCOME TO FIRST CLASS.

OUR AWARD WINNING BOILERS GO THROUGH 200 QUALITY CHECKS BEFORE THEY LEAVE THE FACTORY, AND ARE AVAILABLE WITH A RANGE OF FLEXIBLE WARRANTY OPTIONS. YOU CAN REST ASSURED RELIABILITY IS GUARANTEED WHEN YOU PARTNER WITH IDEAL.

THE QUEEN'S AWARDS FOR ENTERPRISE

Good Housekeeping TRADER RECOMMENDED UK 2015

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THE IDEAL PRODUCT RANGE.

Representing the next generation in heating design, the Logic range of boilers offers state-of-the-art technology in a practical, compact unit that fits easily into any standard kitchen cupboard.

Available in a range of outputs, the Logic range comes complete with a flexible parts and labour warranty package.

LOGIC COMBI
Designed to be installed with minimal fuss.

LOGIC SYSTEM
A simple and reliable solution for a wide variety of sealed domestic systems.

LOGIC HEAT ONLY
Highly efficient and easy to operate, thanks to straightforward controls featuring a clear digital display.

LOGIC CODE COMBI ES
A simple one box solution, capable of supporting up to level 4 of the code for sustainable homes with built in flue gas heat recovery.

LOGIC COMBI ES
A high efficiency combination boiler particularly beneficial for small, social new build properties.

LOGIC COMBI.

24 30 35

HIGH EFFICIENCY
COMBINATION BOILERS.

Designed to be installed with the minimum of fuss Logic appliances offer a speedy installation.

Compact

LPG Conversion Kit*

Frost Protection

Flue Variants

NOx Class 5

Flexible Warranty

LOGIC COMBI

- Pre-heat function
- 75mm deep translucent condensate siphon
- Clear alpha-numeric display
- Fully modulating operation to low outputs
- Automatic bypass
- Four optional language user instructions**
- Visually impaired user fascia option

RELIABLE

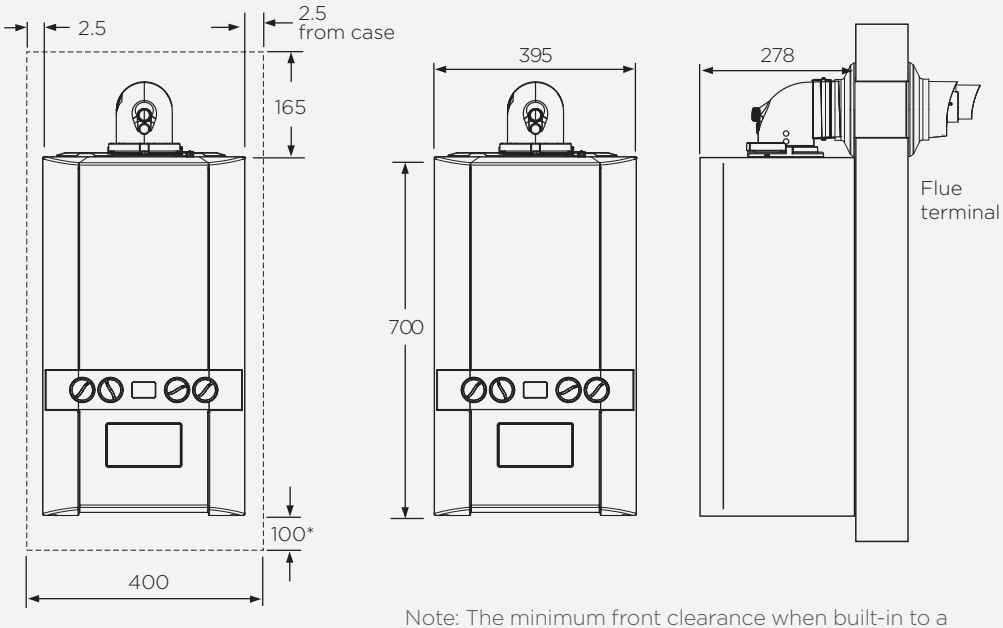
- Energy Saving Trust endorsed product
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve
- Prepared for 2015 EU legislation

EASY TO INSTALL

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Low lift weight (32kg)
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand-off kit including piping option
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 30 kW boilers

* Available with 30 kW model.
** Available to download from www.idealboilers.com

CLEARANCES AND DIMENSIONS.



Note: The minimum front clearance when built-in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

	COMBI 24	COMBI 30	COMBI 35
Max horizontal**	9m	8m	6m
Max vertical**		7.5m	
Powered vertical†		22m	

TECHNICAL SPECIFICATION.

	COMBI 24	COMBI 30	COMBI 35
Height mm		700	
Width mm		395	
Depth mm		278	
Weight (packaged) kg	36.3	36.5	36.5
Max installation weight kg	31.8	32	32
CH output (kW) min/max @ 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max @ 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	24.2	30.3	35.3
DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
SEDBUK rating (2005) %	91.0	91.1	91.0
SEDBUK rating (2009) %	89.0	89.0	88.9
NOx classification		CLASS 5	
Adjustable to LPG	No	Yes	No

Available flue extensions 0.5m, 1m and 2m. Available kits: high level flue outlet kit.

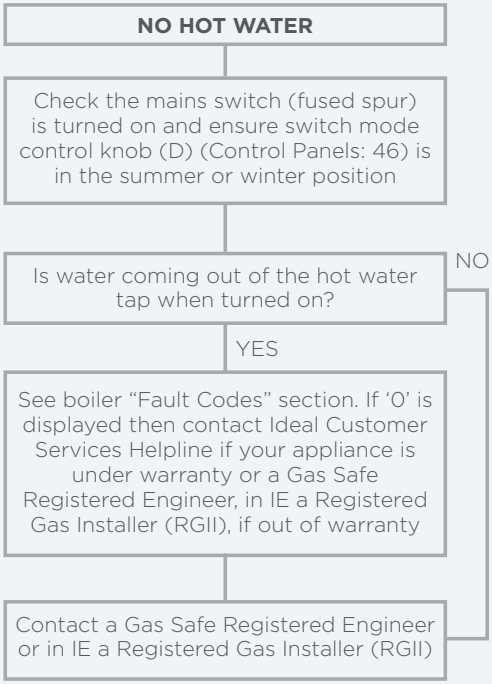
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

TROUBLESHOOTING.

POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*



NO CENTRAL HEATING

Check the mains switch (fused spur) is turned on and ensure switch mode control knob (D) (Control Panels: 46) is in the winter position

Check the programmer (internal or external to the boiler) is in an “ON” position and the room thermostat is turned up

Does the boiler operate and provide central heating?

NO

YES

Check the time settings on the programmer are as you require and adjust if necessary

See boiler “Operation Modes” and “Fault Codes” section. If “0” is displayed then contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

NO HOT WATER OR CENTRAL HEATING

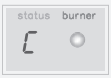
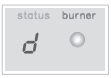
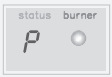
Check the fused spur is turned on and ensure switch mode control knob (D) (Control Panels: 46) is in the winter position

Does the boiler have a display showing on the front control panel?

See boiler “Operation Modes” and “Fault Codes” section

Contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in pre-heat mode.
	The boiler is operating in frost mode.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Outside sensor failure	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low mains voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Boiler resets in 15 minutes	1. Turn power off and on at the fused spur. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer RGII).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	False flame lockout	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC activation fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC fault	Check the correct BCC is fitted for the boiler, and securely inserted into the slot at the front left of the PCB. (Identified by the label on the BCC). If yes then replace the current BCC with a new one correctly labelled for the boiler. If it is incorrect (turn off the power) then insert correctly into PCB after switching power back on restart the boiler.
	Low water pressure	Check system pressure is between 1 & 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow temperature overheat or no water flow	Is the boiler and CH heating system filled and all isolation vales and radiators open? If not then fill and vent the system and open all isolation valves and restart the boiler. Check that the pumps are rotating freely and the flow and return have a differential across the boiler in excess of 30°C.
	Flame loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Fan fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC SYSTEM.

15 18 24 30

HIGH EFFICIENCY
SYSTEM BOILERS.

The Logic system range of appliances from Ideal provide a simple and reliable solution for a wide variety of sealed domestic systems.

Compact

LPG Conversion Kit*

Frost Protection

Flue Variants

NOx Class 5

Flexible Warranty

LOGIC SYSTEM

- Digital display and simple diagnostics
- Fully modulating operation down to 4.8 kW
- Weather compensation kit option

RELIABLE

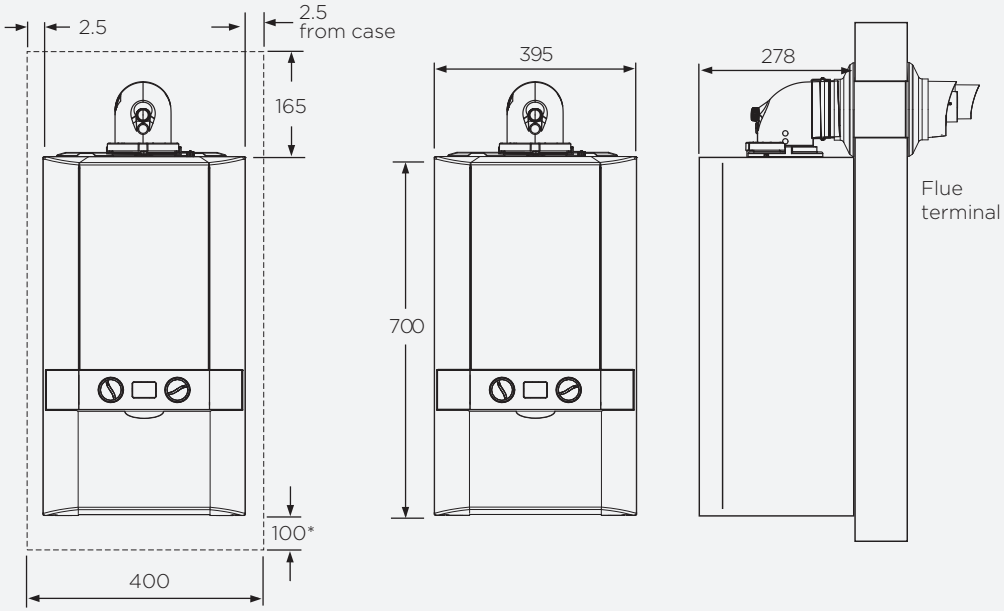
- Energy Saving Trust endorsed product
- Flexible warranty
- Boiler frost protection
- Built-in condensate trap
- Latest generation Honeywell gas valve
- Prepared for 2015 EU legislation
- Two stage flame sensing for better reliability

EASY TO INSTALL

- Compact cupboard fit
- Wide range of flueing options
- Concealed pipe connections
- Low lift weight (28kg)†
- Preformed copper tails
- LPG Conversion kit available for 30 kW boilers
- Stand-off kit and pre-pipe options
- Pre-wired mains lead
- Easy Access to PRV and AAV
- Universal condensate connection

* Available with 30 kW model.
† Weight with front panel removed.

CLEARANCES AND DIMENSIONS.



Note: The minimum front clearance when built-in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

	SYSTEM 15	SYSTEM 18
Max horizontal	9m	
Max vertical	7.5m	
Powered vertical	22m	

TECHNICAL SPECIFICATION.

	SYSTEM 15	SYSTEM 18	SYSTEM 24	SYSTEM 30
Height mm	700			
Width mm	395			
Depth mm	278			
Weight (packaged) kg	34.1			
Max installation weight kg	27.7			
CH output (kW) min/max @ 70°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max @ 40°C	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	n/a			
DHW flow rate l/min. 35°C rise	n/a			
SEDBUK rating (2005) %	91.1	91	91	91.1
SEDBUK rating (2009) %	89.3	89.2	89.5	89.6
NOx classification	CLASS 5			
Adjustable to LPG	No	No	No	Yes

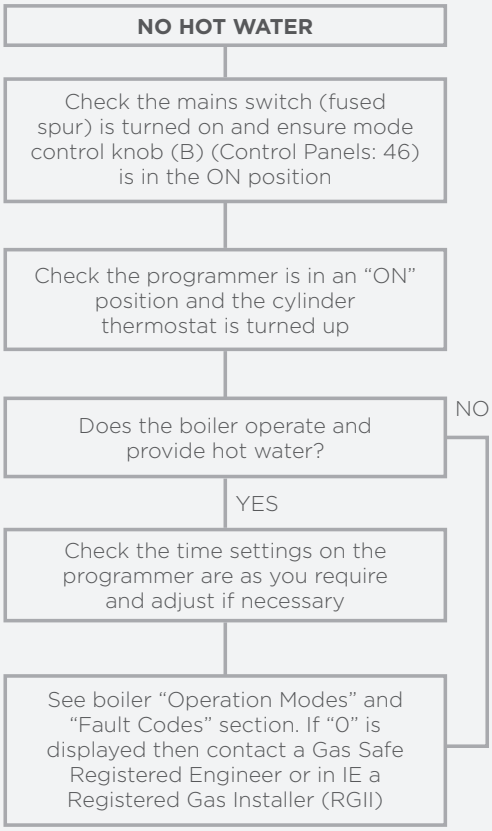
SYSTEM 24	SYSTEM 30
9m	8m
7.5m	
22m	

Available kits: high level flue outlet kit.

TROUBLESHOOTING.

POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*



NO CENTRAL HEATING

Check the mains switch (fused spur) is turned on and ensure mode control knob (B) (Control Panels: 46) is in the ON position

Check the programmer is in an “ON” position and the room thermostat is turned up

Does the boiler operate and provide central heating?

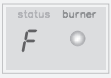
NO

YES

Check the time settings on the programmer are as you require and adjust if necessary

See boiler “Operation Modes” and “Fault Codes” section. If “0” is displayed then contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating / hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating for central heating / hot water.
	The boiler is operating in frost mode.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Boiler chip card (BCC) not fitted	Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Outside sensor failure	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low mains voltage	Contact a qualified electrician or your electricity provider.
	PCB fault	PCB Fault. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Boiler resets in 15 minutes	1. Turn power off and on at the fused spur. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False flame lockout	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC activation fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC fault	Check system pressure is between 1 & 1.5 bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Low water pressure	Check system pressure is between 1 & 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow temperature overheat	Is the boiler and CH heating system filled and all isolation vales and radiators open? If not then fill and vent the system and open all isolation valves and restart the boiler. Check that the pumps are rotating freely and the flow and return have a differential across the boiler in excess of 30°C.
	Flame loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Fan fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Control / no flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC HEAT.

12 15 18 24 30

HIGH EFFICIENCY
HEAT BOILERS.

Designed to be installed with the minimum of fuss Logic appliances offer a speedy installation.

Compact

LPG Conversion Kit*

Frost Protection

Flue Variants

NOx Class 5

Flexible Warranty

Direct Rear Flue

LOGIC HEAT

- Fully modulating operation down to 4.8 kW**
- Weather compensation kit option
- Water flow sensor
- Four optional language user instructions*[2]

RELIABLE

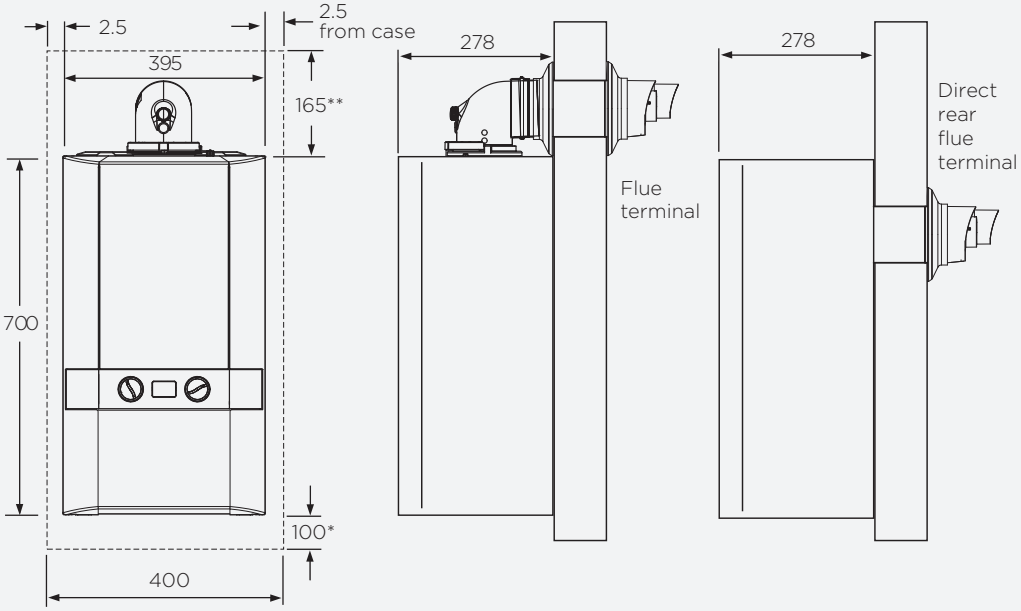
- Energy Saving Trust endorsed product
- Flexible warranty
- Boiler frost protection
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

EASY TO INSTALL

- Compact cupboard fit
- Direct 80mm diameter rear flue option
- Wide range of flueing options
- Low lift weight (23kg)†
- Top system connections
- 75mm deep translucent condensate siphon
- Stand-off kit
- Terminal wall plate kit
- Security bracket kit
- Low minimum head requirement
- LPG conversion kit available for 30 kW boilers

* Available with 30 kW model. ** (30 kW only - 6.1 kW).
*[2] Available to download from www.idealboilers.com
† Weight with front panel removed.

CLEARANCES AND DIMENSIONS.



Note: The minimum front clearance when built-in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.
** Rear flue option - top clearance 100mm.

FLUE LENGTHS.

	HEAT 12	HEAT 15	HEAT 18
Max horizontal	9m		
Max vertical			7.5m
Powered vertical			22m

TECHNICAL SPECIFICATION.

	HEAT 12	HEAT 15	HEAT 18	HEAT 24	HEAT 30
Height mm	700				
Width mm	395				
Depth mm	278				
Weight (packaged) kg	28.7				
Max installation weight kg	23.0				
CH output (kW) min/max @ 70°C	4.8 - 12.0	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max @ 40°C	5.1 - 13.0	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	n/a				
DHW flow rate l/min. 35°C rise	n/a				
SEDBUK rating (2005) %	91.2	91.1	91	91	91.1
SEDBUK rating (2009) %	89.4	89.3	89.2	89.5	89.6
NOx classification	CLASS 5				
Adjustable to LPG	No	No	No	No	Yes

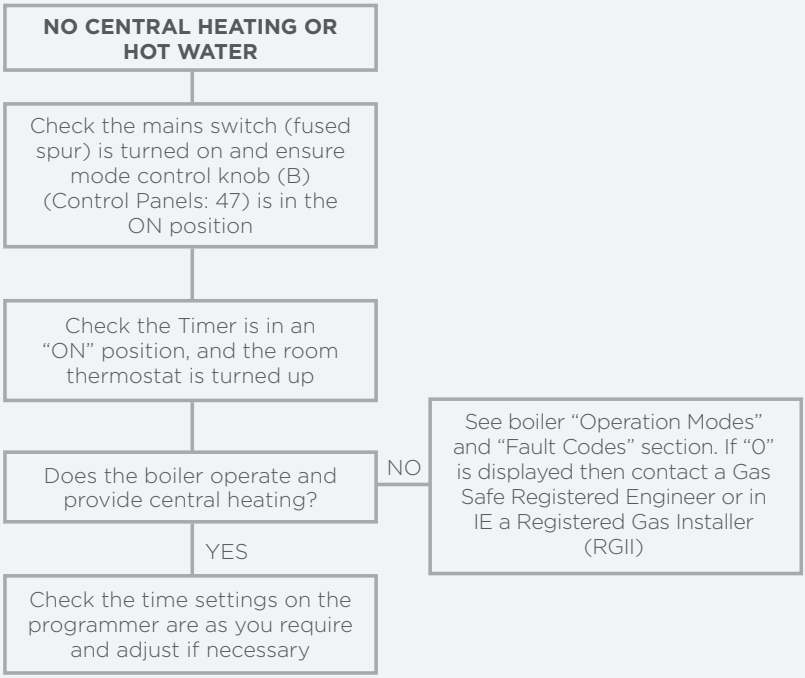
HEAT 24	HEAT 30
	8m

Available kits: high level flue outlet kit and direct rear flue kit (55/80).

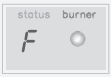
TROUBLESHOOTING.

POINTS FOR THE BOILER USER

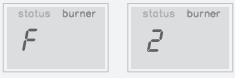
Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*



OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating / hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating for central heating / hot water.
	The boiler is operating in frost mode.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	BCC activation fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Unconfigured PCB	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flame loss	See Action - Fault Code L 2.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Fan fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Outside sensor failure	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low mains voltage	Contact a qualified electrician or your electricity provider.
	PCB fault	Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow/return reversed	Please contact a Gas Safe Registered Engineer. In IE contact a Registered Gas Installer (RGII).
	No water flow	Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Flow temperature overheat or unconfigured PCB	Check system pressure is between 1 & 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Ignition lockout	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Boiler resets in 15 minutes	1. Turn power off and on at the fused spur. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False flame lockout	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC CODE COMBI ES.

26 33 38

HIGH EFFICIENCY COMBINATION BOILERS.

Designed to take the headache out of meeting Building Regulations, the Logic Code Combi ES from Ideal is a simple one-box solution, capable of supporting up to level 4 of the Code for Sustainable homes.

Compact

LPG Conversion Kit*

Frost Protection

Flue Variants

NOx Class 5

Flexible Warranty

LOGIC CODE COMBI ES

- Complete range of Logic combination boilers for social new build developers
- Achieves optimum SAP and DER ratings for standard combination boiler usage
- Higher DHW flow rates than standard boiler – approximately 10% increase

RELIABLE

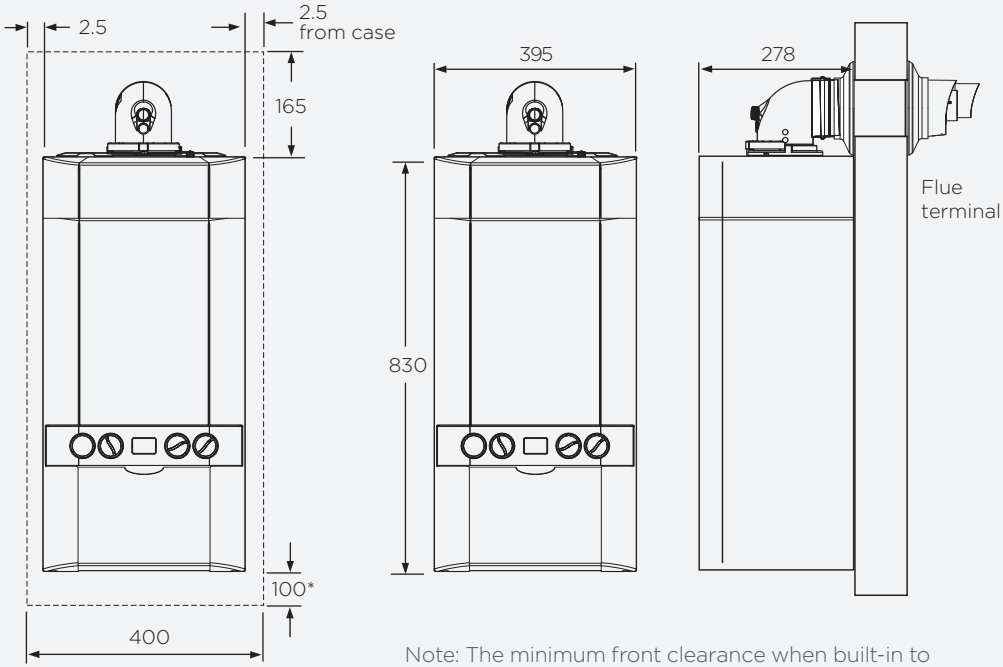
- Energy Saving Trust endorsed product
- Flexible warranty
- High DHW efficiency - reduced running costs
- Less waste DHW water as DHW inlet is preheated
- Reduced pluming on DHW

EASY TO INSTALL

- One single appliance to install – quick and easy
- Built-in pipework; no extra space at the side of the product needed
- Standard combination connections
- No additional maintenance requirement
- Compact and light solution for social new build or retrofit installations

* Available with 38 kW model.

CLEARANCES AND DIMENSIONS.



Note: The minimum front clearance when built-in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

	CODE COMBI ES 26	CODE COMBI ES 33	CODE COMBI ES 38
Max horizontal**	9m	8m	6m
Max vertical**		7.5m	
Powered vertical†		22m	

TECHNICAL SPECIFICATION.

	CODE COMBI ES 26	CODE COMBI ES 33	CODE COMBI ES 38
Height mm		830	
Width mm		395	
Depth mm		278	
Weight (packaged) kg	41.3	41.4	41.6
Max installation weight kg	35.9	36.0	36.2
CH output (kW) min/max @ 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max @ 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	26.1	32.7	38.2
DHW flow rate l/min. 35°C rise	10.7	13.4	15.7
SEDBUK rating (2005) %	91	91.1	91
SEDBUK rating (2009) %	89.0	89.0	88.9
NOx classification		CLASS 5	
Adjustable to LPG	No	No	Yes

Available flue extensions 0.5m, 1m and 2m. Available kits: high level flue outlet kit.

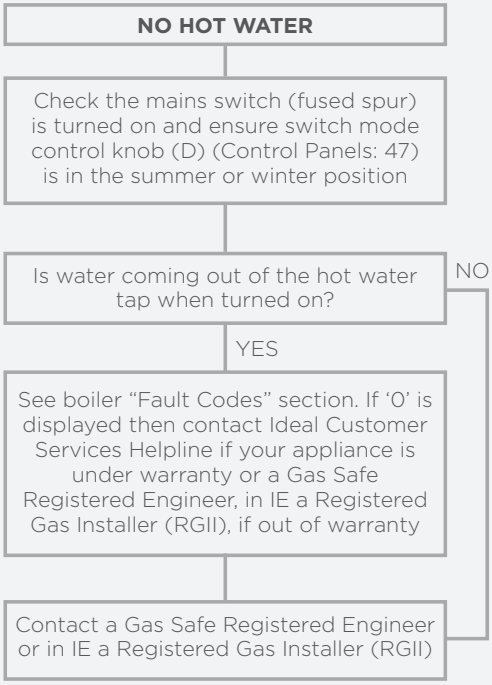
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

TROUBLESHOOTING.

POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*



NO CENTRAL HEATING

Check the mains switch (fused spur) is turned on and ensure switch mode control knob (D) (Control Panels: 47) is in the winter position

Check the programmer (internal or external to the boiler) is in an "ON" position and the room thermostat is turned up

Does the boiler operate and provide central heating?

NO

YES

Check the time settings on the programmer are as you require and adjust if necessary

See boiler "Operation Modes" and "Fault Codes" section. If "0" is displayed then contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

NO HOT WATER OR CENTRAL HEATING

Check the fused spur is turned on and ensure switch mode control knob (D) (Control Panels: 47) is in the winter position

Does the boiler have a display showing on the front control panel?

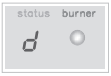
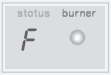
NO

YES

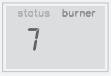
See boiler "Operation Modes" and "Fault Codes" section

Contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in frost mode.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Outside sensor failure	Reset the appliance - if the boiler fails to operate then please contactIdeal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low mains voltage	Contact a qualified electrician or your electricty provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	No water flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Boiler resets in 15 minutes	1. Turn power off and on at the fused spur. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False flame lockout	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC activation fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC fault	Check the correct BCC is fitted for the boiler, and securely inserted into the slot at the front left of the PCB. (Identified by the label on the BCC). If yes then replace the current BCC with a new one correctly labelled for the boiler. If it is incorrect (turn off the power) then insert correctly into PCB after switching power back on restart the boiler.
	Low water pressure	Check system pressure is between 1 & 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow temperature overheat	Is the boiler and CH heating system filled and all isolation vales and radiators open? If not then fill and vent the system and open all isolation valves and restart the boiler. Check that the pumps are rotating freely and the flow and return have a differential across the boiler in excess of 30°C.
	No water flow	
	Flame loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Fan fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC COMBI ES.

24 30 35

HIGH EFFICIENCY
COMBINATION BOILERS.

Optimised for new build compliance following the SAP 2009 design procedure, the Logic Combi ES is particularly beneficial for new build properties.

Compact

LPG Conversion Kit*

Frost Protection

Flue Variants

NOx Class 5

Flexible Warranty

LOGIC COMBI ES

- Complete range of Logic combination boilers for social new build developers
- Achieves optimum SAP and DER ratings for standard combination boiler usage
- 75mm deep translucent condensate siphon
- Fully modulating operation to low outputs
- Automatic bypass

RELIABLE

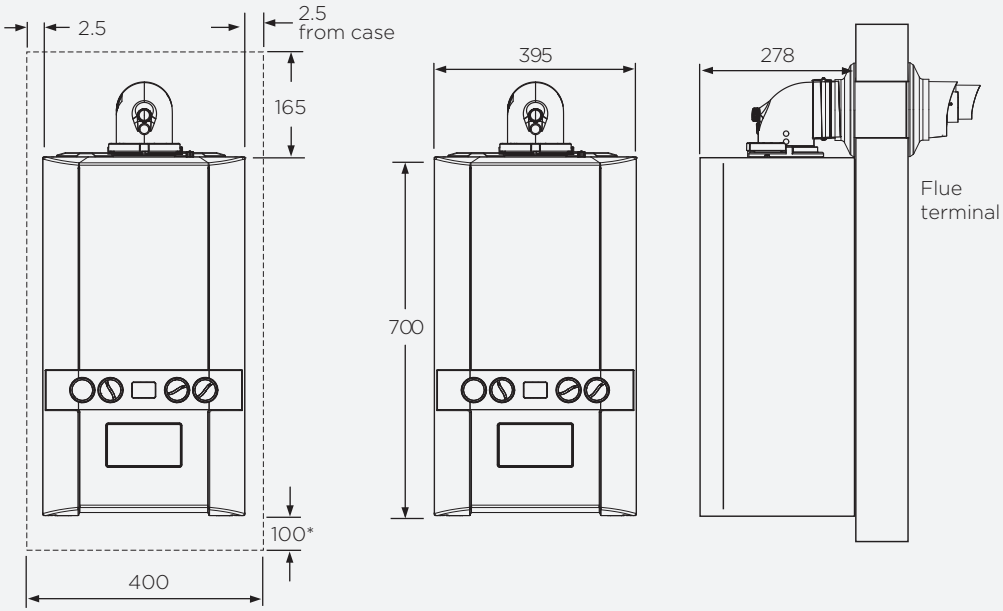
- Energy Saving Trust endorsed product
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve
- Prepared for 2015 EU legislation

EASY TO INSTALL

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Low lift weight (32kg)
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand-off kit including piping option
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 30 kW boilers

* Available with 30 kW model.

CLEARANCES AND DIMENSIONS.



Note: The minimum front clearance when built-in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

	COMBI ES 24	COMBI ES 30	COMBI ES 35
Max horizontal**	9m	8m	6m
Max vertical**		7.5m	
Powered vertical†		22m	

TECHNICAL SPECIFICATION.

	COMBI ES 24	COMBI ES 30	COMBI ES 35
Height mm		700	
Width mm		395	
Depth mm		278	
Weight (packaged) kg	36.3	36.5	36.5
Max installation weight kg	31.8	32	32
CH output (kW) min/max @ 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max @ 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	24.2	30.3	35.3
DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
SEDBUK rating (2005) %	91.0	91.1	91.0
SEDBUK rating (2009) %	89.0	89.0	88.9
NOx classification		CLASS 5	
Adjustable to LPG	No	Yes	No

Available flue extensions 0.5m, 1m and 2m. Available kits: high level flue outlet kit.

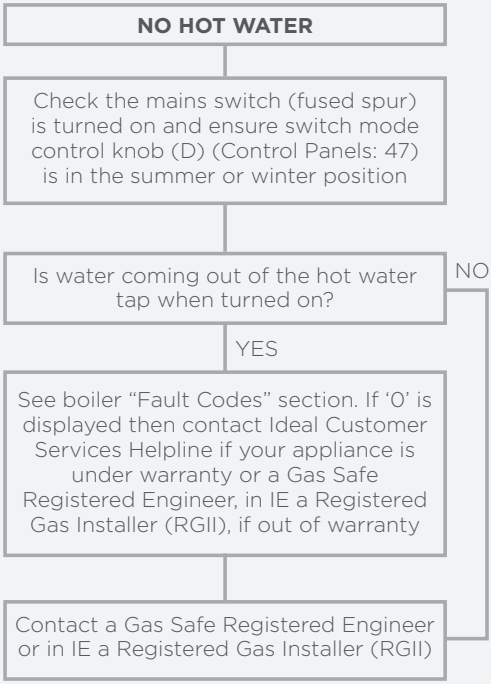
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

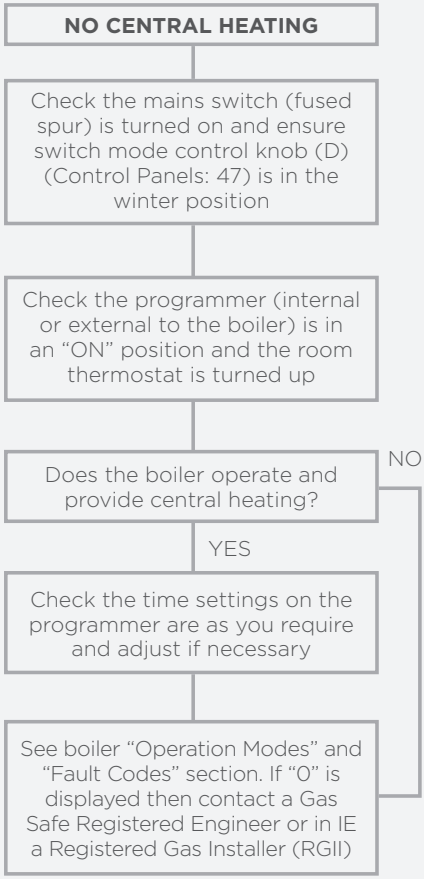
† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

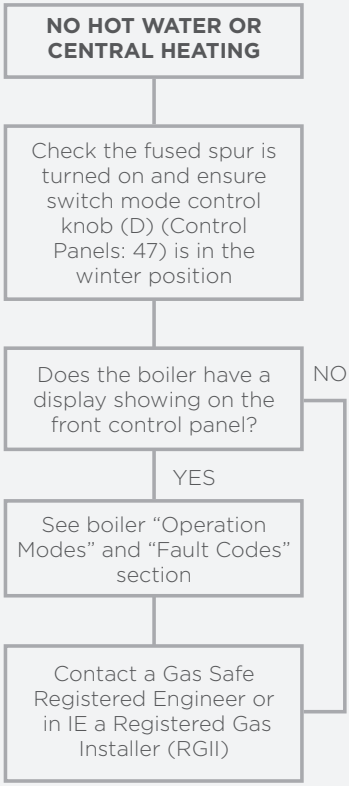
TROUBLESHOOTING.

POINTS FOR THE BOILER USER

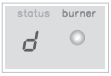
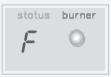
Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*



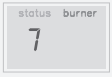
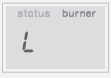
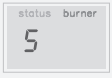

NO CENTRAL HEATING
Check the mains switch (fused spur) is turned on and ensure switch mode control knob (D) (Control Panels: 47) is in the winter position
Check the programmer (internal or external to the boiler) is in an "ON" position and the room thermostat is turned up
Does the boiler operate and provide central heating?
NO
YES
Check the time settings on the programmer are as you require and adjust if necessary
See boiler "Operation Modes" and "Fault Codes" section. If "0" is displayed then contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)


NO HOT WATER OR CENTRAL HEATING
Check the fused spur is turned on and ensure switch mode control knob (D) (Control Panels: 47) is in the winter position
Does the boiler have a display showing on the front control panel?
NO
YES
See boiler "Operation Modes" and "Fault Codes" section
Contact a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII)

OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in frost mode.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Outside sensor failure	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low mains voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
 	Boiler resets in 15 minutes	1. Turn power off and on at the fused spur. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer RGII).
	False flame lockout	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

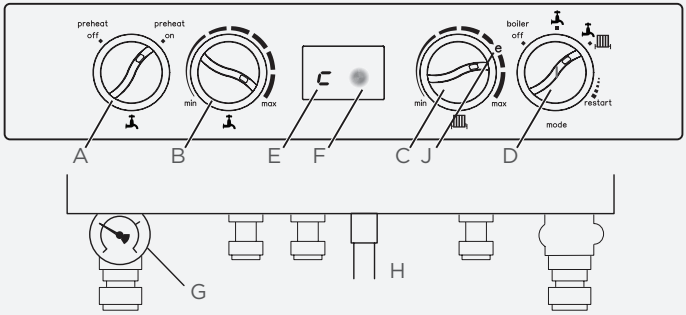
FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	BCC activation fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	BCC fault	Check the correct BCC is fitted for the boiler, and securely inserted into the slot at the front left of the PCB. (Identified by the label on the BCC). If yes then replace the current BCC with a new one correctly labelled for the boiler. If it is incorrect (turn off the power) then insert correctly into PCB after switching power back on restart the boiler.
	Low water pressure	Check system pressure is between 1 & 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow temperature overheat or no water flow	Is the boiler and CH heating system filled and all isolation vales and radiators open? If not then fill and vent the system and open all isolation valves and restart the boiler. Check that the pumps are rotating freely and the flow and return have a differential across the boiler in excess of 30°C.
	Flame loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Fan fault	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return thermistor	Reset the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

BOILER CONTROLS.

LOGIC COMBI.

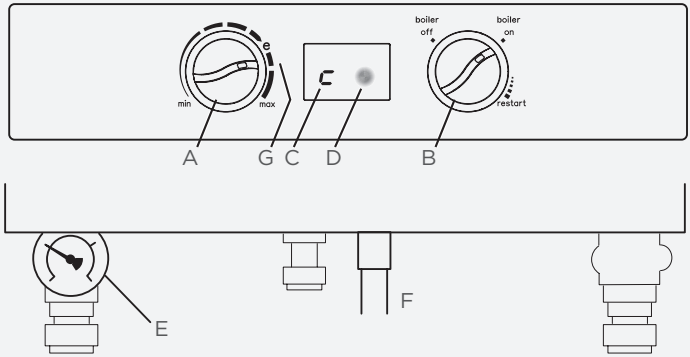
24 30 35



BOILER CONTROLS
A. Pre-heat On/Off
B. DHW Temperature Control
C. CH Temperature Control
D. Mode Control
E. Boiler Status
F. Burner 'on' Indicator
G. Pressure Gauge
H. Condensate Drain
J. Economy Mode

LOGIC SYSTEM.

15 18 24 30



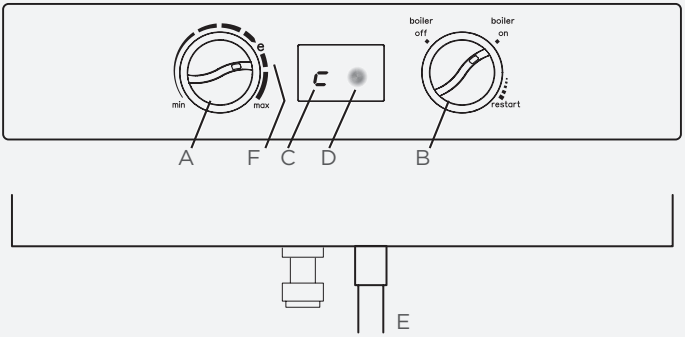
BOILER CONTROLS
A. CH Temperature Control
B. Mode Control
C. Boiler Status
D. Burner 'on' Indicator
E. Pressure Gauge
F. Condensate Drain
G. Economy Mode

In normal operation the control unit (E) will show the following codes: O - Standby - no demand for heat, C - Central Heating being supplied, D - DHW being supplied, P - DHW preheat, F - Boiler frost protection (boiler fires if temperature is below 5°C).

In normal operation the control unit (E) will show the following codes: If the pressure is seen to fall below the original installation pressure of 1-2 bar over a period of time then a water leak may be indicated. In this event conduct the re-pressurising procedure as shown on page 4 of the User Manual.

LOGIC HEAT.

12 15 18 24 30

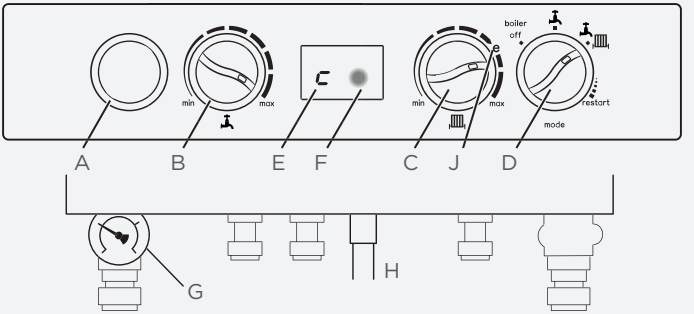


BOILER CONTROLS

A. Temperature Control
B. Mode Control
C. Boiler Status
D. Burner 'on' Indicator
E. Condensate Drain
F. Economy Mode

LOGIC COMBI ES/ LOGIC CODE COMBI ES.

24 30 35 26 33 38



BOILER CONTROLS

A. Blank
B. DHW Temperature Control
C. CH Temperature Control
D. Mode Control
E. Boiler Status
F. Burner 'on' Indicator
G. Pressure Gauge
H. Condensate Drain
J. Economy Mode

WINTER OPERATION: COMBI.

1. Ensure gas and electric supplies are available and on (i.e. card meters are topped up).

2. Ensure boiler thermostat (C) is on and set 2/3rds of the way round.

3. Set room thermostat to desired temperature, normally between 20-23°C.

4. Control individual room via Thermostatic Radiator Valves. 1 - Low, 2 - Low/Average, 3 - Average, 4 - Average/High, 5 - High.

5. Control the heating times by using programmer/clock and not by switching the boiler on and off.

6. Preheat will operate with the preheat switch (A) set to on.

7. For periods of intense cold leave the system on 24 hours a day. Switch the room thermostat down to 10°C overnight. This will maintain comfort levels and ensure the system doesn't freeze.

(FOR FULL INSTRUCTION DETAILS REFER TO THE IDEAL LOGIC USERS GUIDE)

COMBINATION BOILER CONTROLS.

PROGRAMMABLE THERMOSTATS AND TIMERS.

Here at Ideal we believe that choosing the right control to meet the needs of your customer is almost as important as choosing the right product; this is why our boilers are fully compatible with a range of thermostats and timers for the ultimate in home comfort.

MECHANICAL TIMER.
(Part No. 204839)

Simple heating control through a plug in analogue timer. 24 hour tappet operation with off/timed/continuous periods.

ELECTRONIC TIMER.
(Part No. 204545)

Easy to use heating control through a plug in digital timer. Plain text operating and diagnostics information. 7 day and up to 3 time periods/day. Automatic summer/ winter time update.

EXTERNAL ROOM CONTROLS

Image shown is 208774

RF MECHANICAL PROGRAMMABLE THERMOSTAT.
(Part No. 204824)

Wireless radio frequency (RF) analogue timer and room thermostat providing heat control. Easy to use 24 hour tappet control.

RF MECHANICAL TIMER AND ROOM THERMOSTAT KITS.

(Part No. 208352)

Easy to use radio frequency timer (RF), complete with room thermostat. The timer is prewired with plug-in connections to the boiler wiring and features a 24hr tappet operation with off/timed continuous period.

The room thermostat can be freestanding or wallmounted and has a compact design with LCD display and simple symbols to indicate the control.

RF ELECTRONIC PROGRAMMABLE THERMOSTAT.

(Part No. 204789)

Wireless radio frequency (RF) digital timer and room thermostat providing heating control. 7 day, plain text operating and diagnostics display. Automatic summer/winter time update.

COMBI, HEAT ONLY & SYSTEM CONTROLS.

WEATHER COMPENSATION OUTDOOR SENSOR.

(Part No. 211326 - combi models only)
(Part No. 211332 - heat only and system models)

The Logic and Logic Code Combi ES ranges provide weather compensation when fitted with an outdoor sensor (which is available as an optional accessory). Weather compensation works by measuring the temperature outside the home and adjusting the temperature (or flow) of the radiators inside.

If the weather is particularly cold outside, the outdoor sensor will communicate with the boiler intelligently to increase the radiator temperature. This process also works in reverse, as the outdoor temperature increases, the flow to the radiators too will decrease. This process allows the system to operate more efficiently by only heating to the minimum temperature necessary and also preventing spikes in heating activity.

LPG
CONVERSION KITS.

Designed for use with Logic combi, heat and system 30 kW boilers and the new Code Combi ES 38 kW, the Ideal LPG (propane) conversion kit provides a simple and robust gas conversion solution.

With kits available inclusive of natural gas to LPG kits, and LPG to natural gas kits, these quick to install accessories provide a simple and pragmatic solution without the need for products to be adjusted.

Each kit contains specific components for each required boiler type.

FEATURES.

- Available for all product types (combi, heat & system)
- Suitable for most property sizes
- Fast & simple conversion with preset gas valve for no product adjustment

APPLICABLE MODELS.

- Logic Code Combi ES 38
- Logic Combi & Combi ES 30
- Logic Heat 30
- Logic System 30

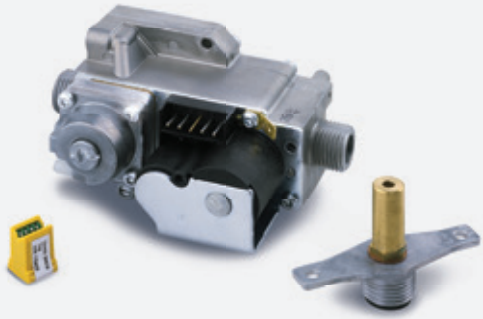
SPECIFICATION.

BOILER MODEL	COMBI	CODE	HEAT	SYSTEM
Min. output (kW)	8.0	8.7	8.0	8.0
Max. output (kW)	24.3	24.2	30.3	30.3
Max DHW output (kW)	30.3	38.2	N/A	N/A

PRODUCT CODE	**NG - LPG CONVERSION KIT**
211370	Logic Combi 30 NG-LPG conversion kit
211379	Logic Combi ES 30 NG-LPG conversion kit
210394	Logic Code Combi ES 38 NG-LPG conversion kit
211372	Logic Heat 30 NG-LPG conversion kit
211374	Logic System 30 NG-LPG conversion kit

PRODUCT CODE	**LPG - NG CONVERSION KIT**
177514	Logic Combi 30 LPG-NG conversion kit
177525	Logic Combi ES 30 LPG-NG conversion kit
177371	Logic Code Combi ES 38 LPG-NG conversion kit
177516	Logic Heat 30 LPG-NG conversion kit
177518	Logic System 30 LPG-NG conversion kit

NATURAL GAS TO LPG KIT CONTENTS EACH KIT COMPRISES:



- Gas valve (preset operation)
- Burner injector
- BCC (boiler chip card)
- Data plate labels
- Instructions

Use of the preset gas valve ensures the safety feature of a non adjustable gas valve is retained during conversion.

Two data plate labels are provided in the kits inclusive of a new data plate providing LPG details and a label to retain boiler serial number identity.

FLUE SITING.

There are a substantial number of flueing options available with the Ideal ranges, giving excellent siting flexibility for almost all applications.

The range of options include standard and telescopic flues as well as roof flue and powered vertical flue options.

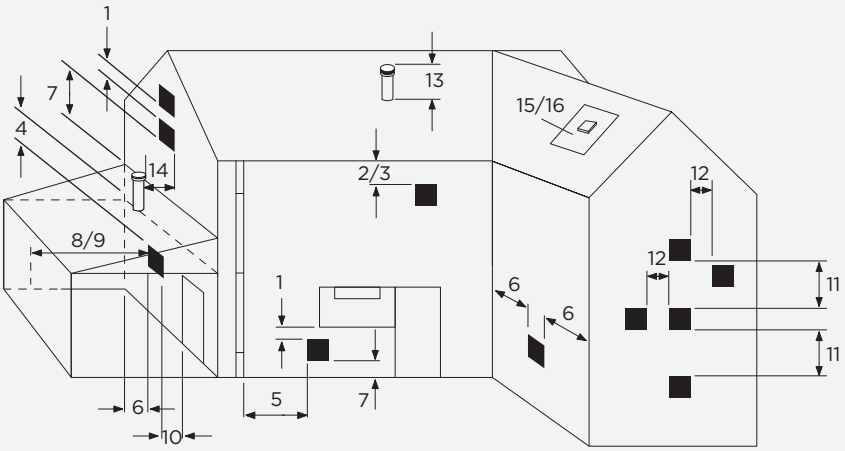
To ensure siting issues are kept to a minimum High Level Flue Outlet kit options and Flue Deflector kits are available.

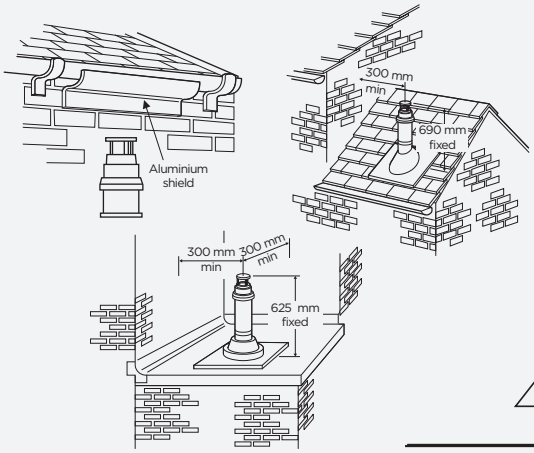
Minimum dimensions of flue terminal positions.

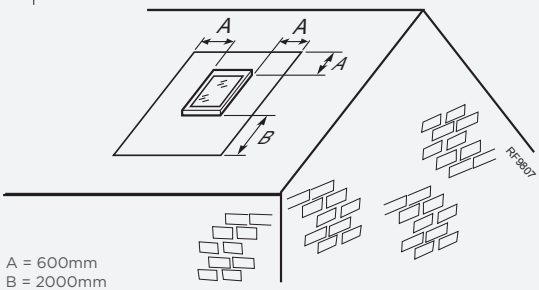
FLUE TERMINAL POSITION	MIN. SPACING
1. Directly below, above or alongside an opening window, air vent or other ventilation opening.	300mm (12")
2. Below guttering, drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 75mm (3")
3. Below eaves. BS5440-1 2008	25mm (1")* 200mm (8")
4. Below balconies or car port roof. BS5440-1 2008	25mm (1")* 200mm (8")
5. From vertical drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 150mm (6")
6. From an internal or external corner or to a boundary alongside the terminal. BS5440-1 2008	25mm (1")* 300mm (12")
7. Above ground, roof or balcony level.	300mm (12")
8. From a surface or a boundary facing a terminal.	600mm (24")
9. From a terminal facing a terminal.	1200mm (48")
10. From an opening in a car port (eg. door or window) into dwelling.	1200mm (48")
11. Vertically from a terminal on the same wall.	1500mm (60")
12. Horizontally from a terminal on the wall.	300mm (12")

VERTICAL FLUES	
13. Above the roof pitch with roof slope of all angles. Above flat roof.	300mm (12") 300mm (12")
14. From a single wall face. From corner walls.	300mm (12") 300mm (12")
15. Below velux window.	2000mm (79")
16. Above or side of velux window.	600mm (24")

* Only one reduction down to 25mm is allowable per installation otherwise BS5440-1 2008 dimensions must be followed.







A = 600mm
B = 2000mm

The flue terminal shall not penetrate the shaded area of the roof.

ACCESSORIES.
LOGIC COMBI (ES), SYSTEM & HEAT

FLUEING ACCESSORIES	IDEAL PART NO.	COMBI	HEAT	SYSTEM
Telescopic B pack flue	208169	✓	✓	✓
Horizontal flue terminal (600mm long)	208171	✓	✓	✓
Horizontal flue terminal (1000mm long)	208174	✓	✓	✓
Flue elbow 90° kit (60/100) packaged	203130	✓	✓	✓
Flue elbow 45° kit (60/100) packaged (pair)	203131	✓	✓	✓
Flue extension 1000mm (Pack D)	203129	✓	✓	✓
Flue extension kit 500mm (Pack D)	211037	✓	✓	✓
Flue extension kit 2000mm (Pack D)	211038	✓	✓	✓
Flue vertical connector	208175	✓	✓	✓
Powered vertical flue kit 100mm	203134	✓	✓	✓
Flue deflector 60 dia	208176	✓	✓	✓
Weather collar (universal) 100mm	152258	✓	✓	✓
Weather collar (flat roof) 100mm	152259	✓	✓	✓
Flue finishing kit	155988	✓	✓	✓
Roof flue kit	211039	✓	✓	✓
Powered flue kit	203136	✓	✓	✓
Rear flue outlet kit (55/80)	205990	×	✓	×
Flue finishing kit (55/80)	206151	×	✓	×
Secondary flue extension (1000x80mm) pair	203142	✓	✓	✓

INSTALLATION ACCESSORIES	IDEAL PART NO.	COMBI	HEAT	SYSTEM
Stand off kit	211103	✓	×	✓
Stand off kit (Heat only)	206153	×	✓	×
Stand off kit (Inc. piping, 206679)	211108	✓	×	211330
Condensate pump kit	159991	✓	✓	✓
Terminal wall plate PS replacement kit (Combi/System)	211318	✓	✓	✓
Terminal wall plate RS replacement kit (Heat)	206164	×	✓	×
Pressure gauge extension kit	206712	✓	×	✓
Weather compensation kit	211326	✓	×	×
Weather compensation kit	211332	×	✓	✓
Pre-piping kit	211041	✓	×	×
Pre-piping kit	211331	×	×	✓
Security bracket kit	205217	✓	✓	✓
Opentherm harness kit	211327	✓	×	×
PRV wall outlet pipe kit	205126	✓	×	✓
DHW expansion vessel kit	205419	✓	×	×

LOGIC (ALL MODELS)	IDEAL PART NO.
Balcony flue outlet kit	208177
Soffit kit	211302
Raised horizontal flue outlet kit	208290

ACCESSORIES.
HIGH LEVEL FLUE OUTLET KIT

These easy to install kits allow the boiler flue outlet to be extended external to the building, upwards to provide a flue exit at high level, overcoming problems associated with plume emission. The kit can be simply fitted retrofitted if necessary (excluding rear outlet of Logic Heat).

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° elbow at the flue exit) to terminate with a 90° elbow complete with grille. Push fit one metre extension pipes are used as required, and the fixing clips supplied support the system from the wall.

Both 90° and 45° elbows are available to provide routing options.

THE KIT COMPRISES:
Flue elbow - 1 off
60mm flue exit elbow - 1 off
60mm horizontal flue exit - 1 off
60mm x 500mm flue outlet Extension pipe - 1 off

This kit is specified for use with the normal standard B pack.
The standard terminal nose is replaced with the high level terminal.

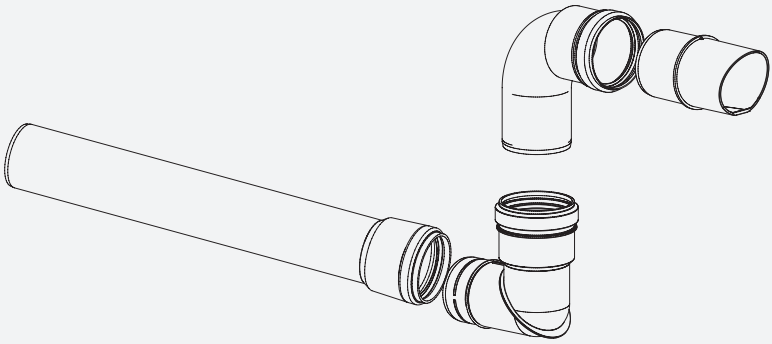
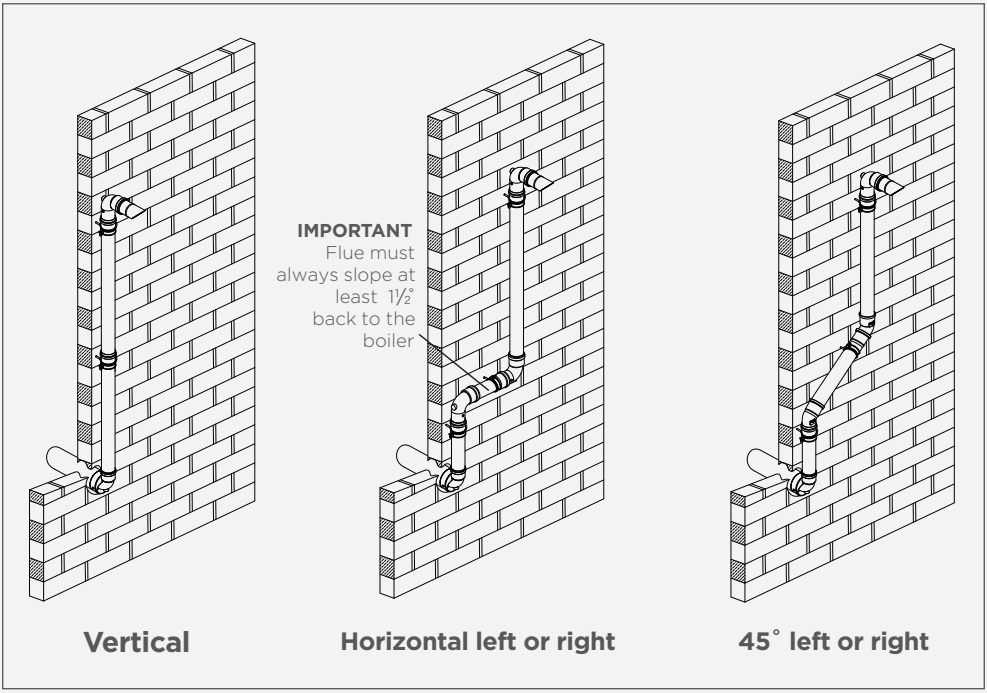


Diagram representative only.



LOGIC (ALL MODELS)	IDEAL PART NO.
High level flue outlet kit	208178
Logic Heat rear flue outlet (55/80) ONLY high level flue outlet kit (55/80)	205989
1m x 60mm extension pipe (with bracket)	203228
90° elbow	203229
45° elbow (pair)	203230

If additional elbows to those supplied in the high level flue outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.

LOGIC (ALL MODELS)	METRES
90° elbow	1.4
45° elbow (pair)	1.25

ACCESSORIES.
LOGIC CODE COMBI ES

FLUEING ACCESSORIES	IDEAL PART NO.
Telescopic B pack flue	208169
Horizontal flue terminal (600mm long)	208171
Horizontal flue terminal (1000mm long)	208174
Flue elbow 90° kit (60/100) packaged	203130
Flue elbow 45° kit (60/100) packaged (pair)	203131
Flue extension 1000mm (Pack D)	203129
Flue vertical connector	208175
Powered vertical flue kit 100mm	203134
Flue deflector 60 dia	208176
Weather collar (universal) 100mm	152258
Weather collar (flat roof) 100mm	152259
Flue finishing kit	155988
Roof flue kit	211039
Powered flue kit	203136
Concentric flue screw retaining kit	205024
Secondary flue extension (1000x80mm) pair	203142

INSTALLATION ACCESSORIES	IDEAL PART NO.
Stand off kit	206383
Stand off kit Inc. piping	206679
Condensate pump kit	159991
DHW expansion vessel kit	205419
Pressure gauge extension kit	206712
Weather compensation kit	204914
Pre-piping kit	206704
Security bracket kit	206708
Opentherm harness kit	204915
PRV wall outlet pipe kit	205126

CONTACT US.

Should you need assistance from any of our specialist teams they are on hand to help you 7 days a week, 364 days a year.

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